

Patent Claims

1. Method for the continual and, in particular, the fast detection of changes of the concentration of radon gas dissolved in water, with the use of water-tight and gas-permeable membranes,
w h e r e i n,
without the realisation of a cycle, constantly new, radon-free gas is pumped through a gas zone surrounded by water and separated by a water-tight, gas-permeable membrane, into a radon measuring equipment unit where it is continually measured.
2. Method according to Claim 1,
w h e r e i n
the radon-free gas is air.
3. Method according to Claim 1,
w h e r e i n
the gas, after departing from the radon measuring equipment unit, is discharged to the ambient surroundings.
4. Method according to Claim 1,
w h e r e i n
the water and the measuring gas are conducted in the counter-current along the membrane.
5. Method according to Claim 1,
w h e r e i n
the water and the measuring gas are conducted parallel to the membrane.

6. Method according to one of the above-mentioned Claims 1 to 5,
wherein
the gas zone is a diffusion hose.

7. Device for the continual and, in particular, fast detection of the changes of
concentration of radon gas dissolved in water,
wherein
a gas zone has an inlet and an outlet and is arranged in flowing water, where the inlet
of the gas zone is connected to a gas source and the outlet of the gas zone is
connected with the inlet of a radon measuring equipment unit.

8. Device according to Claim 7,
wherein
the outlet of the radon measuring equipment unit opens out in the ambient air.

9. Device according to Claim 7,
wherein
the gas zone is a diffusion hose.